

CNV-1017 Maintenance Strategy

Status	Approved
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Purpose

The purpose of this document is to define the conversion approach to create Maintenance Strategy in S/4 HANA.

Legacy Plant Maintenance Maintenance Strategy is using a diverse range of formats across the different systems. There are instances where the same Maintenance Strategy is duplicated within and across sources, with informal words. This results in data inconsistency. As per SyWay design, Maintenance Strategy will be standardized.

Conversion Scope

The scope of this document covers the approach for converting active Maintenance Strategy from Legacy Source Systems into S/4HANA following the Maintenance Strategy Master Data Design Standard.

A Maintenance Strategy in SAP defines how and when maintenance tasks should be performed. It's a core concept in SAP Plant Maintenance (PM) that helps organizations plan preventive maintenance activities efficiently.

Types of strategy (defined by the first 2 characters of the strategy):

First 2 characters	Strategy Type	Description	Application	Example
01	Time-Based	Used for assets that require preventive maintenance at fixed time intervals.	Maintenance cycles defined in days, weeks, months, or years.	Lubrication every 3 months, inspection every 12 months.
02	Performance-Based	Used for assets that require preventive maintenance based on operational usage or performance.	Maintenance cycles defined in measured units such as operating hours, kilometres, or production counts.	Preventive maintenance every 2,000 operating hours.
03	Turnaround /Shutdown	Used for assets undergoing maintenance during planned turnarounds or shutdowns.	Defines repetitive and pre-planned maintenance work during turnaround/shutdown periods.	Boiler overhaul during annual plant shutdown.

There will not be a direct conversion from legacy to S/4 HANA, however there will be a mapping to ensure all the valid and active legacy Maintenance Strategies are considered for data migration.

The data from legacy system includes:

1. All Maintenance Strategies (T351-STRAT) defined in the source systems.

The data from legacy system excludes:

1. Maintenance Strategies (T351-STRAT) that are not used by any Task List (PLKO-PLNTY, PLKO-PLNNR, PLKO-PLNAL).
2. Packages (T351P-STRAT, T351P-ZAEHL) that are not used by any Task List Maintenance Package (PLWP-PLNTY, PLWP-PLNNR, PLWP-PLNAL).

Please see an indication of what will be baselined from source systems below and what will be constructed in the DCT.

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2, WP2	Maintenance Strategy will be collected via DCT. An initial extract of the relevant Maintenance Strategies will be provided in google sheet format to assist business in decision making on including any relevant Maintenance Strategies from PF2 and WP2 as Maintenance Strategy in S/4 HANA. Any additional Maintenance Strategies that need to be created to support the new design may be added in the DCT. A review and standardization will be done across all Maintenance Strategies in the DCT.	400	S/4HANA	30

Additional Information

Multi-language Requirement

Maintenance Strategy description will be made available in English.

Multi language is supported for Maintenance Strategy. Login via a different language will have its description displayed in the logon language if the language key is maintained in the Maintenance Strategy.

To view/edit the record in other languages, in the Menu click **Goto > Translation** and select the required language.

Document Management

Not Applicable

Legal Requirement

Not Applicable

Special Requirements

Not Applicable

Target Design

The technical design of the target for this conversion approach.

1.Maintenance Strategy

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
T351	STRAT	STRAT	Maintenance Strategy	CHAR	6	Mandatory
T351	ZEIEH	DZEIEH	Unit for the performance of maintenance tasks	UNIT	3	Mandatory
T351	TOLE1	TOLERPLUS	Tolerance for Late Completion (%)	NUMC	3	Conditional
T351	TOLE2	TOLERNEG	Tolerance for Early Completion (%)	NUMC	3	Conditional
T351	VERS1	VERSCHPLUS	Shift Factor for Late Completion	NUMC	3	Conditional
T351	VERS2	VERSCHNEG	Shift Factor for Early Completion	NUMC	3	Conditional
T351	TERMK	TERMKNZ	Scheduling indicator	CHAR	1	Mandatory
T351	HORIZ	HORIZONT	Call horizon for maintenance plan calls	NUMC	3	Conditional
T351	HORIZ_QUALIFIER	EAM_CC_CALLHORIZON_QUALIFIER	Calculation Type of Call Horizon	CHAR	1	Conditional

2. Maintenance Strategy Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
T351	STRAT	STRAT	Maintenance Strategy	CHAR	6	Mandatory
T351T	SPRAS	SPRAS	Language Key	LANG	1	Mandatory
T351T	KTEXT	TXWSTRA	Description of maintenance strategy	CHAR	30	Mandatory

3.Maintenance Package

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
T351	STRAT	STRAT	Maintenance Strategy	CHAR	6	Mandatory
T351P	ZAEHL	PAKETZAEHL	Maintenance Package Number	NUMC	2	Mandatory
T351P	ZEIEH	DZEIEH	Unit for the performance of maintenance tasks	UNIT	3	Mandatory
</Start CR0378>						
T351P	ZYKZT	DZYK_ZEIT	Maintenance package cycle/offset	FLTP	16(16)	Mandatory

T351P	HIERA	HIERARCHIE	Nature of the maintenance packages (additional, replacement)	NUMC	2	Mandatory
</End CR0378>						

Note: Each Maintenance Strategy can have multiple Maintenance Packages.

4. Maintenance Package Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
T351	STRAT	STRAT	Maintenance Strategy	CHAR	6	Mandatory
T351X	PAKET	PAKETZAEHL	Maintenance Package Number	NUMC	2	Mandatory
T351X	SPRAS	SPRAS	Language Key	LANG	1	Mandatory
T351X	KTEX1	TXZYKLUS	Text for maintenance package/cycle (time/performance)	CHAR	30	Mandatory
T351X	KZYK1	KTEXTZYK	Short text for the maintenance cycle (time/performance)	CHAR	2	Mandatory
T351X	KTXHI	KTEXTHIER	Short text of the maintenance package hierarchy	CHAR	2	Mandatory

Note: Each Maintenance Strategy and Maintenance Package must have 1 entry for each language in scope: English, French, Italian, Mandarin, Portuguese(including Brazilian Portuguese), German and Spanish

Maintenance Strategy Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Maintenance Strategy information follows the Master Data Standard document that is located [here](#).

Data Cleansing

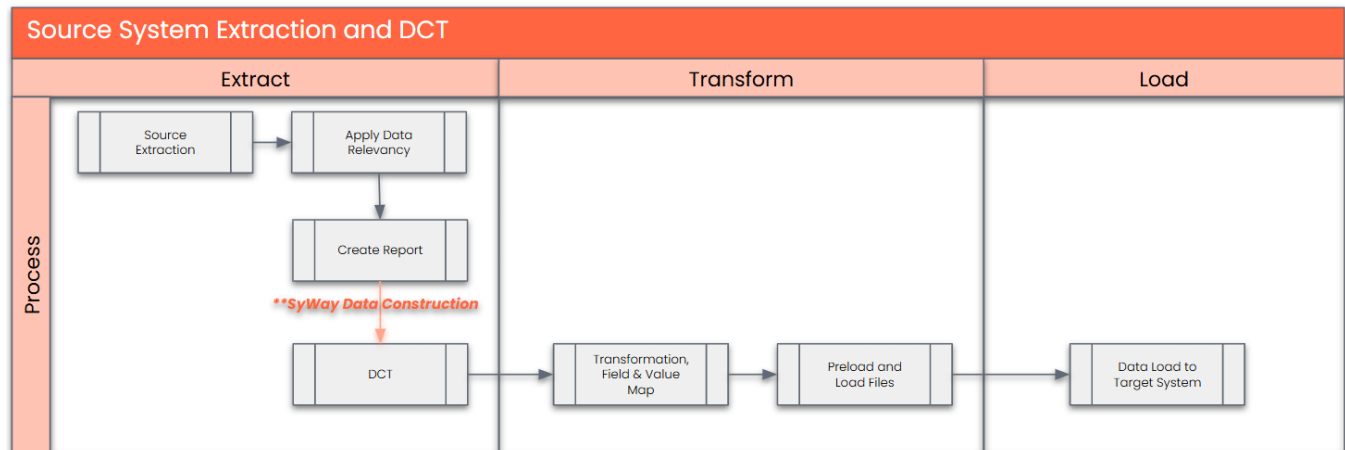
No data cleansing is required for Maintenance Strategy in the legacy system. If any cleansing is deemed necessary, it will be performed outside of the system.

As a result, the cleansed Maintenance Strategy data will be populated directly in the Data Collection Template (DCT).

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
		Not Applicable			

Conversion Process

The high-level process for DCT is represented by the diagram below:



Collection will be done manually in the Data Collection Template for the following scenarios:

- For new Maintenance Strategy that need to be created to support the to-be design

Data Privacy and Sensitivity

Not applicable

Extraction

Extract data from a source into the . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into the repository. There are 3 methods:
 - a. Perform full data extraction from relevant tables in the source system(s).
 - b. Perform extraction through the application layer.
 - c. Only if ; cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
2. The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in the repository. This is to be conducted using DCT (Data Collection Template) in

The agreed Relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target loads

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
1	Extract data from source system based on relevancy rule	SyWay Data Team
2	Google Sheet report pre-populated with PF2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team

Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
Not Applicable				

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for Maintenance Strategy data with exception of some fields which require transformation as mentioned in the transformation rule.

Note: All rules specified below should be documented as a **tooltip** in the DC Page.

Format:

- **Line 1:** Mandatory / Conditional
- **Line 2:** Remaining text

1.Maintenance Strategy DCT Rule

Field Name	Field Description	Rule
STRAT	Strategy	<p>Mandatory.</p> <p>Maintenance Strategies shall follow the below Mask XX_XXX where: XX = As per the Maintenance strategy defined below:</p> <ul style="list-style-type: none"> • 01 - Time-Based Strategy • 02 - Performance-Based Strategy • 03 - Turnaround/Shutdown Strategy <p>XXX = Sequential Number starting 001</p>
ZEIEH	Unit for the performance of maintenance tasks	<p>Mandatory.</p> <p>Must reference active Units of Measurement in config (T006).</p> <p>Enter time based units for time based strategy. Enter performance based units for performance based strategy.</p>
TOLE1	Tolerance for Late Completion (%)	<p>Conditional.</p> <p>Default to "0" unless provided by business</p>

TOLE2	Tolerance for Early Completion (%)	Conditional. Default to "0" unless provided by business
VERS1	Shift Factor for Late Completion	Conditional. Default to "0" unless provided by business
VERS2	Shift Factor for Early Completion	Conditional. Default to "0" unless provided by business
TERMK	Scheduling indicator	Mandatory. Allowed values: "" - TIME, "3" - Activity If the Maintenance Strategy is Time Based then Scheduling Indicator = "TIME" If the Maintenance Strategy is Performance Based then the Scheduling Indicator = "Activity" The Time Based or Performance based can be identified based on the Naming Convention of the strategy
HORIZ	Call horizon for maintenance plan calls	Conditional. Default to "100" unless provided by business
KTEXT_EN	Description (English)	Mandatory. Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same English language key text) Ensure that it does not include any of below characters: ; Semi-colon : :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTEXT_ FR	Description (French)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTEXT_ ZH	Description (Mandarin/Simplified Chinese)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Mandarin/Simplified Chinese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

<p>KTEXT_ IT</p>	<p>Description (Italian)</p>	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
<p>KTEXT_ PT</p>	<p>Description (Portuguese /Brazilian Portuguese)</p>	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Portuguese/Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTEXT_ DE	Description (German)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTEXT_ ES	Description (Spanish)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

2.Maintenance Package DCT Rule

Field Name	Field Description	Rule
STRAT	Strategy	<p>Mandatory.</p> <p>Key to link to Maintenance Strategy</p>

ZAEHL	Maintenance Package Number	Mandatory. Numeric values only. Sequential ascending values only.
</Start CR0378>		
ZYKZT	Maintenance package cycle/offset	Mandatory. Positive numeric values only (Whole numbers)
</End CR0378>		
ZEIEH	Unit for the performance of maintenance tasks	Mandatory. Must reference active Units of Measurement in config (T006)
</Start CR0378>		
HIERA	Nature of the maintenance packages (additional, replacement)	Mandatory. Numeric values only. Note: 1. Hierarchy will default to "1" if no value provided. 2. Hierarchy should be updated in an ascending order based on business requirement for Supressed Strategies. 3. Hierarchy should be updated to "1" for non Supressed Strategies
</End CR0378>		
KTEX1 _EN	Text for maintenance package/cycle (time /performance)	Mandatory. Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same English language key text) Ensure that it does not include any of below characters: ; Semi-colon : :: Double Colon ? / Forward Slash @ At sign & Ampersand = + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KZYK1 _EN	Short text for the maintenance cycle (time /performance) (English)	<p>Mandatory.</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same English language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTXHI_ EN	Short text of the maintenance package hierarchy (English)	<p>Mandatory.</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same English language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTEXT 1_FR	Text for maintenance package/cycle (time /performance)(French)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KZYK1 _FR	Short text for the maintenance cycle (time /performance)(French)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTXHI_ FR	Short text of the maintenance package hierarchy (French)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTEXT 1_ZH	Text for maintenance package/cycle (time /performance)(Mandarin/Simplified Chinese)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Mandarin/Simplified Chinese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

<p>KZYK1_ZH</p>	<p>Short text for the maintenance cycle (time /performance)(Mandarin/Simplified Chinese)</p>	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Mandarin/Simplified Chinese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
<p>KTXHI_ZH</p>	<p>Short text of the maintenance package hierarchy (Mandarin/Simplified Chinese)</p>	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Mandarin/Simplified Chinese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTEXT 1_IT	Text for maintenance package/cycle (time /performance)(Italian)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KZYK1 _IT	Short text for the maintenance cycle (time /performance)(Italian)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTXHI_ IT	Short text of the maintenance package hierarchy (Italian)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTEXT 1_PT	Text for maintenance package/cycle (time /performance)(Portuguese/Brazilian Portuguese)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Portuguese/Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KZYK1 _PT	Short text for the maintenance cycle (time /performance)(Portuguese/Brazilian Portuguese)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Portuguese/Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTXHI_ PT	Short text of the maintenance package hierarchy (Portuguese/Brazilian Portuguese)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Portuguese/Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTEXT 1_DE	Text for maintenance package/cycle (time /performance)(German)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KZYK1 _DE	Short text for the maintenance cycle (time /performance)(German)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KTXHI_ DE	Short text of the maintenance package hierarchy (German)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTEXT 1_ES	Text for maintenance package/cycle (time /performance)(Spanish)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

KZYK1 _ES	Short text for the maintenance cycle (time /performance)(Spanish)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes
KTXHI_ ES	Short text of the maintenance package hierarchy (Spanish)	<p>Only required if the language is assigned to the Maintenance Strategy Plant</p> <p>Cannot have duplicate records based on corresponding language text (2 Strategy cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign \$ Dollar Sign % Percent Vertical Bar [] Left or Right Square Bracket " Double Quotes

</Start CR0280>

3.Maintenance Strategy XREF DCT Rule

Field Name	Field Description	Rule
zLegacySTRAT	Legacy Maintenance Strategy	Mandatory. Legacy Maintenance Strategy from PF2 / WP2

zLegacyKTEXT_EN	Legacy Description (English)	Conditional. Legacy Description (English) from PF2 / WP2.
STRAT	Maintenance Strategy	Mandatory. New Maintenance Strategy as per Maintenance Strategy DCT
KTEXT_EN	Description (English)	Mandatory. New Maintenance Strategy Description (English) as per Maintenance Strategy DCT.

4.Maintenance Package XREF DCT Rule

Field Name	Field Description	Rule
zLegacySTRAT	Legacy Maintenance Strategy	Mandatory. Legacy Maintenance Strategy from PF2 / WP2
zLegacyKTEXT_EN	Legacy Description (English)	Conditional. Legacy Description (English) from PF2 / WP2.
zLegacyPAKET	Legacy Maintenance Package	Mandatory. Legacy Maintenance Package from PF2 / WP2
</Start CR0378>		
zLegacyZYKZT	Legacy Maintenance package cycle/offset	Mandatory. Legacy Maintenance package cycle/offset from PF2 / WP2
</End CR0378>		
zLegacyZEIEH	Legacy Unit for the performance of maintenance tasks	Mandatory. Legacy Unit for the performance of maintenance tasks from PF2 / WP2
</Start CR0378>		
zLegacyHIERA	Legacy Nature of the maintenance packages (additional, replacement)	Mandatory. Legacy Package Hierarchy from PF2 / WP2
</End CR0378>		
STRAT	Maintenance Strategy	Mandatory New Maintenance Strategy as per Maintenance Package DCT. Must match Maintenance Strategy and Maintenance Package combination
KTEXT_EN	Description (English)	Mandatory. New Description (English) as per Maintenance Strategy DCT.
PAKET	Maintenance Package	Mandatory. New Maintenance Package as per Maintenance Package DCT. Must match Maintenance Strategy and Maintenance Package combination
</Start CR0378>		
ZYKZT	Maintenance package cycle/offset	Mandatory. Positive numeric values only.
</End CR0378>		
ZEIEH	Unit for the performance of maintenance tasks	Mandatory

</Start CR0378>		
HIERA	Nature of the maintenance packages (additional, replacement)	Mandatory. Numeric values only.
</End CR0378>		

Note: List of DCTs is maintained here: [Conversion Specs Register \(DCT & Cleansing Report\)](#).

</End CR0280>

Extraction Dependencies

Item #	Step Description	Team Responsible
Not Applicable		

Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow Syniti Migrate to make the data Target ready:

1. Perform value mapping and data transformation rules.
 - a. Relevant legacy values are mapped to the to-be values (this could include a default value)
 - b. Values are transformed according to the rules defined in Syniti Migrate
2. Prepare target-ready data in the structure and format that is required for loading via prescribed Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Obtain DCT Sign-off from Business.	SyWay Data Team
2	In dspMigrate, select S4/HANA – Plant Maintenance	Syniti
3	Go to Process Area Launch and Process the Object – Maintenance Strategy	Syniti
4	Review and Validate Error and Preload Reports	Syniti
5	Execute the transformation to prepare the target tables	Syniti
6	Validate data from pre-load and error reports	Business/Data owner
7	Generate load files	SyWay Data Team

Transformation Rules

1.Maintenance Strategy Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	T351	STRAT	Maintenance Strategy	S/4HANA	T351	STRAT	Maintenance Strategy	Direct mapping A Global Value Mapping (Maintenance Strategy) will be created to reference old Maintenance Strategy.
2	DCT	T351	ZEIEH	Unit for the performance of maintenance tasks	S/4HANA	T351	ZEIEH	Unit for the performance of maintenance tasks	Direct mapping
3	DCT	T351	TOLE1	Tolerance for Late Completion (%)	S/4HANA	T351	TOLE1	Tolerance for Late Completion (%)	Direct mapping

4	DCT	T351	TOLE2	Tolerance for Early Completion (%)	S/4HANA	T351	TOLE2	Tolerance for Early Completion (%)	Direct mapping
5	DCT	T351	VERS1	Shift Factor for Late Completion	S/4HANA	T351	VERS1	Shift Factor for Late Completion	Direct mapping
6	DCT	T351	VERS2	Shift Factor for Early Completion	S/4HANA	T351	VERS2	Shift Factor for Early Completion	Direct mapping
7	DCT	T351	TERMK	Scheduling indicator	S/4HANA	T351	TERMK	Scheduling indicator	Direct mapping
8	DCT	T351	HORIZ	Call horizon for maintenance plan calls	S/4HANA	T351	HORIZ	Call horizon for maintenance plan calls	Direct mapping
9	DCT	T351	HORIZ_QU ALIFIER	Calculation Type of Call Horizon	S/4HANA	T351	HORIZ_Q UALIFIER	Calculation Type of Call Horizon	Default to "%"
10	DCT	T351T	KTEXT_EN	Description (English)	S/4HANA	T351	KTEXT	Description	Direct mapping
11	DCT	T351T	KTEXT_EN	Description (English)	S/4HANA	T351T	SPRAS	Language Key	Default to "E"
12	DCT	T351T	KTEXT_FR	Description (French)	S/4HANA	T351	KTEXT	Description	Direct mapping
13	DCT	T351T	KTEXT_FR	Description (French)	S/4HANA	T351T	SPRAS	Language Key	Default to "F"
14	DCT	T351T	KTEXT_ZH	Description (Mandarin/Simplified Chinese)	S/4HANA	T351	KTEXT	Description	Direct mapping
15	DCT	T351T	KTEXT_ZH	Description (Mandarin/Simplified Chinese)	S/4HANA	T351T	SPRAS	Language Key	Default to "1"
16	DCT	T351T	KTEXT_IT	Description (Italian)	S/4HANA	T351T	KTEXT	Description	Direct mapping
17	DCT	T351T	KTEXT_IT	Description (Italian)	S/4HANA	T351T	SPRAS	Language Key	Default to "I"
18	DCT	T351T	KTEXT_PT	Description (Portuguese/Brazilian)	S/4HANA	T351	KTEXT	Description	Direct mapping
19	DCT	T351T	KTEXT_PT	Description (Portuguese/Brazilian)	S/4HANA	T351T	SPRAS	Language Key	Default to "P"
20	DCT	T351T	KTEXT_DE	Description (German)	S/4HANA	T351T	KTEXT	Description	Direct mapping
21	DCT	T351T	KTEXT_DE	Description (German)	S/4HANA	T351T	SPRAS	Language Key	Default to "D"
22	DCT	T351T	KTEXT_ES	Description (Spanish)	S/4HANA	T351	KTEXT	Description	Direct mapping
23	DCT	T351T	KTEXT_ES	Description (Spanish)	S/4HANA	T351T	SPRAS	Language Key	Default to "S"

2.Maintenance Package Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	T351	STRAT	Maintenance Strategy	S/4HANA	T351	STRAT	Maintenance Strategy	Direct mapping
2	DCT	T351P	ZAEHL	Maintenance Package Number	S/4HANA	T351P	ZAEHL	Maintenance Package Number	Direct mapping
3	DCT	T351P	ZEIEH	Unit for the performance of maintenance tasks	S/4HANA	T351P	ZEIEH	Unit for the performance of maintenance tasks	Direct mapping
4	</Start CR0378>								
5	DCT	T351P	ZYKZT	Maintenance package cycle/offset	S/4HANA	T351P	ZYKZT	Maintenance package cycle/offset	Direct mapping
6	DCT	T351P	HIERA	Nature of the maintenance packages (additional, replacement)	S/4HANA	T351P	HIERA	Nature of the maintenance packages (additional, replacement)	Direct mapping. If blank then default to "1"
7	</End CR0378>								
8	DCT	T351X	KTEXT1_EN	Text for maintenance package/cycle (time/performance) (English)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping.
9	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "E"
10	DCT	T351X	KTEXT1_FR	Text for maintenance package/cycle (time/performance) (French)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping
11	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "F"
12	DCT	T351X	KTEXT1_ZH	Text for maintenance package/cycle (time/performance) (Mandarin/Simplified Chinese)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping
13	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "1"
14	DCT	T351X	KTEXT1_IT	Text for maintenance package/cycle (time/performance) (Italian)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping

15	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "I"
16	DCT	T351X	KTEXT1_PT	Text for maintenance package/cycle (time/performance) (Portuguese /Brazilian)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping
17	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "P"
18	DCT	T351X	KTEXT1_DE	Text for maintenance package/cycle (time/performance)(German)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping
19	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "D"
20	DCT	T351X	KTEXT1_ES	Text for maintenance package/cycle (time/performance)(Spanish)	S/4HANA	T351X	KTEX1	Text for maintenance package/cycle (time /performance)	Direct mapping
21	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "S"
22	DCT	T351X	KZYK1_EN	Short text for the maintenance cycle (time/performance) (English)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping.
23	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "E"
24	DCT	T351X	KZYK1_FR	Short text for the maintenance cycle (time/performance) (French)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
25	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "F"
26	DCT	T351X	KZYK1_ZH	Short text for the maintenance cycle (time/performance) (Mandarin/Simplified Chinese)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
27	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "1"
28	DCT	T351X	KZYK1_IT	Short text for the maintenance cycle (time/performance) (Italian)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
29	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "I"
30	DCT	T351X	KZYK1_PT	Short text for the maintenance cycle (time/performance) (Portuguese /Brazilian)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
31	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "P"
32	DCT	T351X	KZYK1_DE	Short text for the maintenance cycle (time/performance) (German)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
33	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "D"
34	DCT	T351X	KZYK1_ES	Short text for the maintenance cycle (time/performance) (Spanish)	S/4HANA	T351X	KZYK1	Short text for the maintenance cycle (time /performance)	Direct mapping
35	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "S"
36	DCT	T351X	KTXHI_EN	Short text of the maintenance package hierarchy (English)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping.
37	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "E"
38	DCT	T351X	KTXHI_FR	Short text of the maintenance package hierarchy (French)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
39	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "F"
40	DCT	T351X	KTXHI_ZH	Short text of the maintenance package hierarchy (Mandarin/Simplified Chinese)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
41	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "1"
42	DCT	T351X	KTXHI_IT	Short text of the maintenance package hierarchy (Italian)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
43	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "I"
44	DCT	T351X	KTXHI_PT	Short text of the maintenance package hierarchy (Portuguese/Brazilian)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
45	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "P"
46	DCT	T351X	KTXHI_DE	Short text of the maintenance package hierarchy (German)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
47	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "D"
48	DCT	T351X	KTXHI_ES	Short text of the maintenance package hierarchy (Spanish)	S/4HANA	T351X	KTXHI	Short text of the maintenance package hierarchy	Direct mapping
49	DCT	T351X	SPRAS	Language Key	S/4HANA	T351X	SPRAS	Language Key	Default to "S"

List of Custom Target Reports for this object is maintained here: [Conversion Specification - Custom Reports Register](#).

Transformation Mapping

All data will be constructed with the target values. Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules.

Mapping Table Name	Mapping Table Description
Maintenance Strategy	Old to new Maintenance Strategy
Maintenance Package	Old to new Maintenance Package. This should be done after the Maintenance Strategy is mapped. Example: Legacy strategy ABC is mapped to target strategy 123 then map each of the packages under Legacy strategy ABC to packages under target strategy 123.

Transformation Dependencies

All data will be constructed with the target values. No transformation is required.

Item #	Step Description	Team Responsible
1	Ensure DCT tables completeness	SyWay Data Team
2	Ensure all Transformation mappings are up to date.	SyWay Data Team

Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Record Count	SyWay A2D Data Team to verify that the total number of relevant records from the DCT is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	SyWay A2D Data Team to verify that all fields below meet pass the checks: <ol style="list-style-type: none">1. Mandatory Fields2. Field and Value Mapping Correctness3. Null Checks4. Text Length Checks
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

Business

Completeness

Task	Action
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Verify Record Count	Business Data Owner/s to verify that the total number of relevant records from the the DCT is equal to the total number of records in the Preload and Load Sheets.
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Accuracy

Task	Action
Conversion Accuracy	Business Data Owner/s to verify that all the data in the load table/file is accurate as per endorsed transformation/mapping rules (and signed-off DCT data).

Load

The load process includes:

1. Data entry will be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Load Run Sheet

Item #	Step Description	Team Responsible
1	Obtain DCT Sign-off from Business	SyWay A2D Data Team
2	Ensure Pre-load sign-offs are obtained.	SyWay A2D Data Team
3	Proceed with Data load.	SyWay A2D Data Team
4	Validate few records loaded by accessing standard transactions.	SyWay A2D Data Team
5	Generate the post load reports in the tool.	SyWay A2D Data Team
6	Log errors as defects, if any and address resolutions. Close defects.	SyWay A2D Data Team
7	Generate post load report if step 6 is validated	SyWay A2D Data Team
8	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
9	Repeat steps 5 to 7 if necessary.	SyWay A2D Data Team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	T006-Unit of Measure
2	T002-Language Key

Conversion Objects

Object #	Preceding Object Conversion Approach
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	Not Applicable
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Error Handling

Error Type	Error Description	Action Taken
Configuration	Invalid Unit of Measure	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Language Key	Engage Functional team to expedite and fix the error in the system
Invalid Data	Maintenance Package: Invalid Maintenance Strategy	Check whether the Maintenance Strategy exist in Maintenance Strategy table

Post-Load Validation

Project Team

Completeness

Task	Action
Verify Count	SyWay A2D Data Team to verify the record count created in target S/4 HANA by accessing post load reports in dspMigrate or standard reports from S/4 HANA.
Verify Logs	Check if there is data that failed to load and perform the necessary actions (e.g. register as post load issue or attempt to load the record again, etc.).

Accuracy

Task	Action
Conversion Accuracy	SyWay A2D Data Team to verify that the Maintenance Strategy data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

Business

Completeness

Task	Action
Verify Count	Download Post Load Reports from dspMigrate and verify that the record count loaded in the target S/4 HANA is the same count as of the endorsed load file.

Accuracy

Task	Action
Conversion Accuracy	Verify that the Maintenance Strategy data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Data cleansing has met the required percentage threshold for the specified mock cycle and all preparation activities have been completed.
- Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules.
- If the Unit for the performance of maintenance tasks is changed, it must not affect the cycle duration (example: 4 Weeks to 1 Month, 7 Days to 1 Week etc.)

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 206)	Apr 02, 2026 13:43	ERGUIZA-ext, Pinky Love	Changed Owner to lesha
v. 205	Mar 03, 2026 13:16	TEE-ext, Paul	
v. 204	Mar 03, 2026 12:03	TEE-ext, Paul	
v. 203	Mar 03, 2026 08:57	TEE-ext, Paul	
v. 202	Mar 03, 2026 08:29	TEE-ext, Paul	
v. 201	Mar 03, 2026 06:44	TEE-ext, Paul	
v. 200	Mar 03, 2026 06:31	TEE-ext, Paul	
v. 199	Mar 03, 2026 06:26	TEE-ext, Paul	
v. 198	Feb 27, 2026 12:45	TEE-ext, Paul	
v. 197	Feb 27, 2026 12:30	TEE-ext, Paul	

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Workflow history

Title	Last Updated By	Updated	Status
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There are no pages at the moment.

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Apr 02, 2026	Actor	Type	Activity	Version
Approved	 ERGUIZA-ext, Pinky Love	Edit	updated the page at 1:43 pm <i>Changed Owner to lesha</i>	
Mar 24, 2026	 TAN-ext, Charmaine	State	changed state to Approved at 9:15 am (State override) <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	v205

Lead Approval



TAN-ext,
Charmaine

State gave *Minor change* approval at 9:15 am

[PMO Comments] Conversion Spec completed as per CS register and functional review completed

Mar 05, 2026



MOUSSA-ext,
Eva

State changed expiry date to '12 Mar, 2026 12:11 pm' at 12:11 pm

State changed state to [Lead Approval](#) at 12:11 pm

v205

Tech Review



MOUSSA-ext,
Eva

State gave *Syniti Team Review* approval at 12:11 pm

v. 205 approved, CR0378

State changed expiry date to '10 Mar, 2026 12:11 pm' at 12:11 pm

State changed state to [Tech Review](#) at 12:11 pm

v205